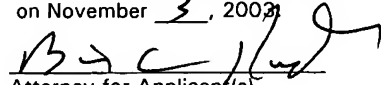


CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on November 3, 2003.

  
Attorney for Applicant(s)

PATENT APPLICATION

Docket No.: END9-2002-0013US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): David A. Burton et al. )  
Serial No.: Not yet assigned )  
Filing Date: November 3, 2003 ) Group Art  
For: SPECULATIVE DATA MIRRORING APPARATUS ) Unit:  
METHOD AND SYSTEM )

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This Information Disclosure Statement discloses information which has come to the attention of applicant and his attorneys and is being submitted so as to comply with the duty of disclosure set forth in 37 C.F.R. § 1.56. In accordance with 37 C.F.R. § 1.97(b), this Statement is being filed within three (3) months of the filing date of the above-identified application or before the mailing date of a first Action on the merits.

Neither applicant nor his attorneys make any representation that any information disclosed herein may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103. Moreover, pursuant to 37 C.F.R. § 1.97, the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made or as an

admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

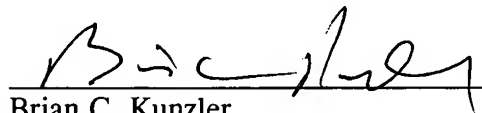
In accordance with 37 C.F.R. § 1.98, this Information Disclosure Statement includes and is accompanied by:

1. A completed copy of Form PTO-1449 listing the patents, publications and other information being submitted for consideration; and
2. A legible copy of each publication and other item of information in written form listed on the enclosed Form PTO-1449.

#### NON-ENGLISH INFORMATION

Pursuant to 37 C.F.R. § 1.98, following is a concise explanation of the relevance (as it is presently understood by the individual designated in 37 C.F.R. § 1.56(c) most knowledgeable about the content of the information), of each listed patent, publication or other information that is not in the English language.

Respectfully submitted,



Brian C. Kunzler  
Reg. No. 38,527  
Attorney for Applicant

Date: November 3, 2003

Brian C. Kunzler  
10 West 100 South, Suite 450  
Salt Lake City, Utah 84101  
Telephone: 801/994-4646

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (use several sheets if necessary)	<b>SERIAL NO.</b> Not yet assigned	<b>ATTORNEY DOCKET NO.</b> END9-2002-0013US1
	<b>FILING DATE</b> November 3, 2003	<b>GROUP ART UNIT</b>
	<b>APPLICANT(S):</b> David A. Burton, et al.	

**REFERENCE DESIGNATION****U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	5,742,792	04/21/1998	Yanai et al.	395/489	05/28/1996
	A2	5,933,653	08/03/1999	Ofek	395/826	05/31/1996
	A3	6,148,382	11/14/2000	Bitner et al.	711/162	12/23/1996
	A4	6,148,383	11/14/2000	Micka et al.	711/162	07/09/1998
	A5	6,163,856	12/19/2000	Dion et al.	714/4	05/29/1998
	A6	6,237,008	05/22/2001	Beal et al.	707/204	07/20/1998
	A7	6,269,431	07/31/2001	Dunham	711/162	08/13/1998
	A8	6,275,897	08/14/2001	Bachmat	711/114	06/17/1997
	A9	6,295,575	09/25/2001	Blumenau et al.	711/5	06/29/1998
	A10	6,301,677	10/09/2001	Squibb	714/13	09/06/2000

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION	
						YES	NO

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

**NON-PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)
	A11	IBM TDB 01-95 v38 n01 p305-306: "Remote Copy Link-level Reconfiguration without Affecting Copy Pairs"
	A12	RD 05-01 n445150 p856: "Method of the Database backups by using split-mirror copies of Logical Volumes"

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).